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- IBS -

PROTECTIVE COATINGS

PROTECTS AND DECORATES

L. Welanets
THE M. W. KELLOGG CO.



BLACK OR ALUMINUM COATINGS

PREVENTS CORROSION

PROTECTS AND DECORATES

*Protect and Decorate with I. B. S., it **IMPREGNATES**, **BONDS AND SEALS** the pores and surface; is highly resistant to acid, alkali and water, as well as other corrosive agencies.*

I. B. S. dries by evaporation and is non-oxidizing; as a result it will not crack or peel; it remains permanently flexible, impregnates the smallest pores and will give perfect adhesion when applied to damp as well as dry surfaces, leaving a black gloss finish.

I. B. S. is truly different than the usual run of paints, for the tendency of paint is to film and to form a skin over minute pores or rust pockets, concealing spots where rust goes on unseen. As the rust forms, it finally expands and lifts the oxidized paint film, resulting in a general and premature breaking up of the entire paint job and it is then that you appreciate the true value of I. B. S., a product that will penetrate the pores and truly protect as well as decorate.

I. B. S. has great hiding power and will not leave a porous skin when applied; as a result, you are always assured of a good tight protective surface when you use I. B. S.

I. B. S. has excellent heat resisting properties and will withstand extreme temperature changes, and, as a result, has unusual merit when used on steel stacks, hog fuel incinerators, in dry kilns and on boiler fronts.

I. B. S. prevents corrosion of industrial equipment and structures and makes a very superior protective coating for cranes, coal and iron ore dock equipment, bridges, etc. It also retards and resists the action of electrolysis; will protect and keep clean the outside surface of condenser coils.

I. B. S. is used extensively in the marine field, also by railroads, the sugar industry, in ice plants, by chemical and oil companies, in sewage disposal plants, by water companies.

I. B. S. will impregnate the pores of concrete and form a bond that will prevent dusting and do an excellent weatherproofing job.

1 gallon will cover 400 sq. ft. on the average job.

I. B. S. is an M. W. Kellogg Co. product which is your guarantee as to the superior quality of the I. B. S. brands of protective coatings and plastics, also ask the users.



I. B. S. ALUMINUM KOTE PROTECTS, DECORATES AND INSULATES AND THE ENTIRE JOB CAN BE DONE WITH ONE COAT.

I. B. S. ALUMINUM KOTE has the same characteristics as ***I. B. S. Black*** plus a bright Aluminum Finish.

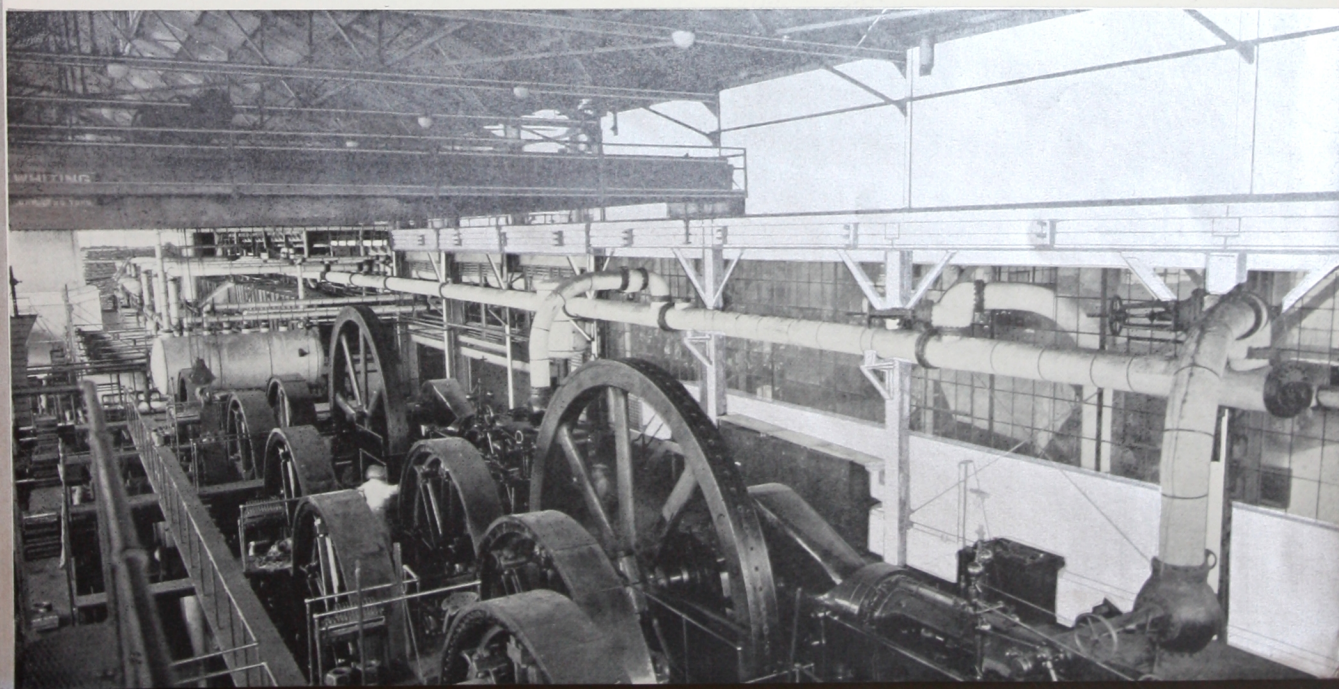
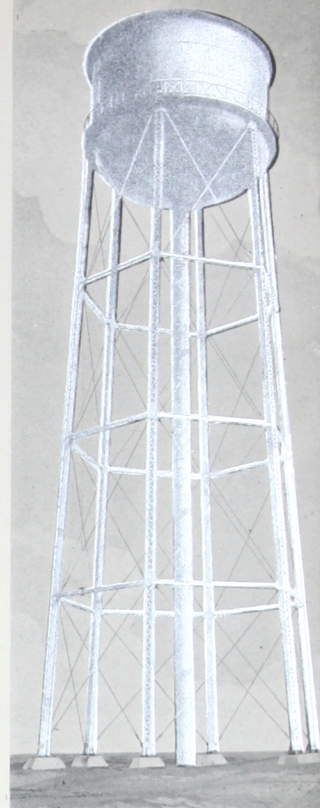
I. B. S. ALUMINUM KOTE is two coats in one and the black base or vehicle impregnates the smallest pores either on damp or dry surfaces and bonds so tight to that surface that rust or corrosion can not form beneath the coating.

I. B. S. ALUMINUM KOTE is ***NON-OXIDIZING*** and, as a result, remains flexible and will not crack or peel. This product will stand extreme temperature changes.

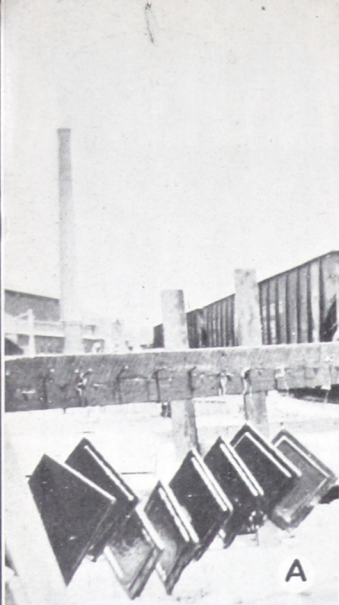
I. B. S. ALUMINUM KOTE has excellent heat resisting properties and makes a very superior protective coating for steel stacks, also is used in shipholds and in dark places in industrial plants as a safety factor, for it reflects light as well as giving surfaces coated the maximum of protection.

I. B. S. Black or Aluminum coatings can be applied either with brush or spray; simply add 2 pounds of albron aluminum paste to 1 gallon of I. B. S. Aluminum Vehicle. Mix thoroughly. This will give you approximately 1 and $\frac{1}{8}$ gallons of mixed coating ready to use, and as the application is made, the vehicle will impregnate and bond to the surface to be protected and the Aluminum particles will leap out and rise to the surface, lapping over each other so as to form a solid coat of aluminum or metallic protection and decoration.

1 gallon will cover 400 sq. ft. on the average job.



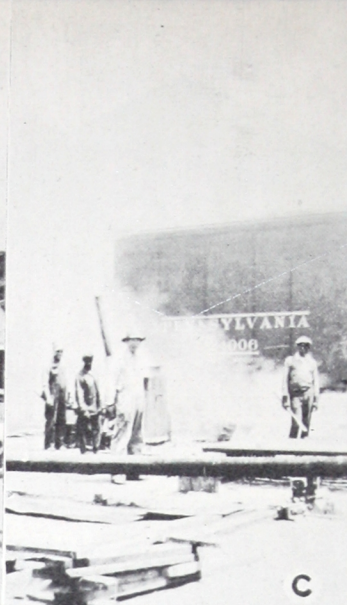
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A



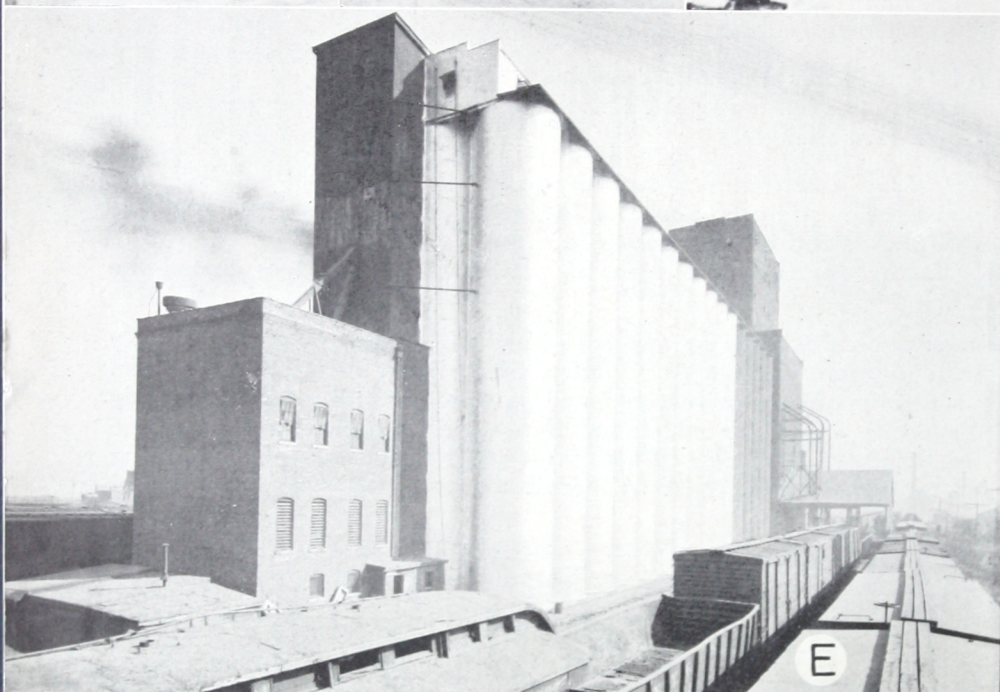
B



C



D



E

TYPICAL APPLICATIONS OF I. B. S. ENAMELS

BOTH BRUSH AND KELLOGG HOT SPRAY METHOD

(A, B, C, D) Electrification Pennsylvania Railroad, Baltimore and Washington, including tunnels approximately one mile long, also piping from 2½ inches to 7 inches — 106,000 linear feet; also electric boxes, all protected with I. B. S. Enamels Kellogg Hot Spray Method.

(E) Many of the largest grain elevators and silos are protected and weather-proofed with I. B. S. Enamels applied by Kellogg Hot Spray Method.

(F, G) Kellogg I. B. S. Enamels and coatings have set a new standard for protection and decoration in the marine field. Pictures "F" and "G" show two ships recently completed under rigid specifications, and, as usual, all inner bottoms, fore peaks, aft peaks, chain lockers, bilges, refrigerating spaces, winch foundations, boiler saddles, bulkheads, tank tops and machinery foundations, were protected and decorated with I.B.S. Products.

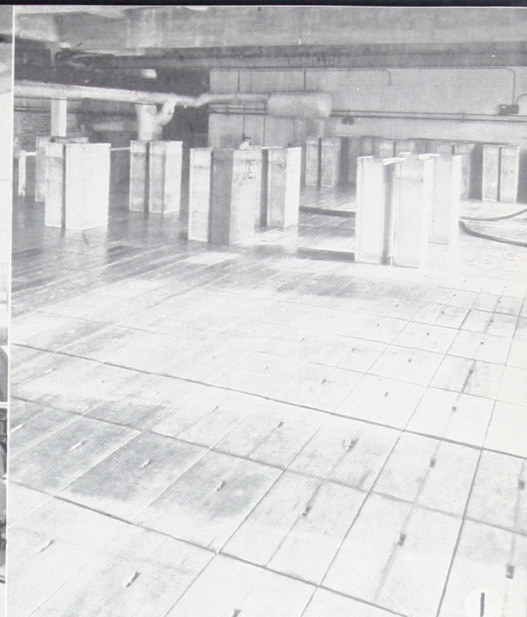
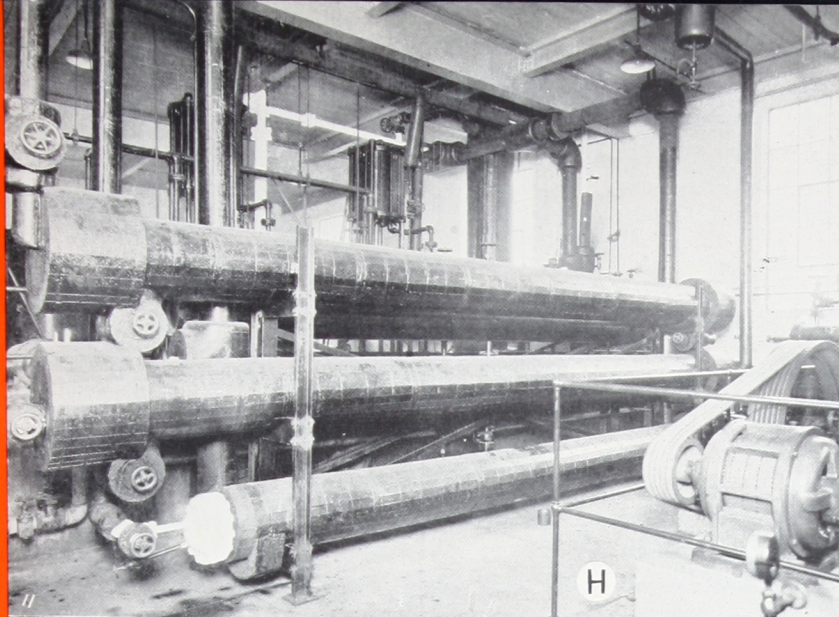


F



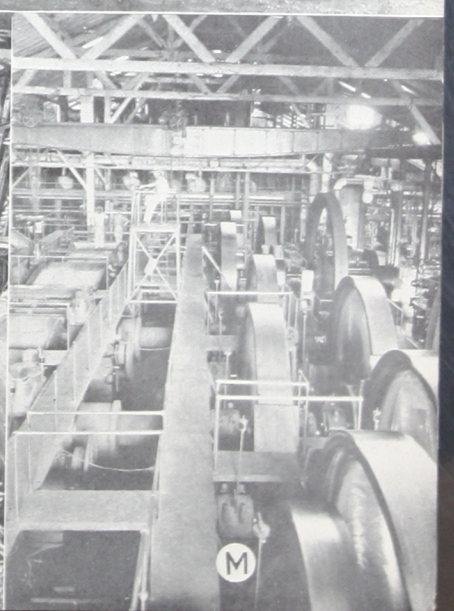
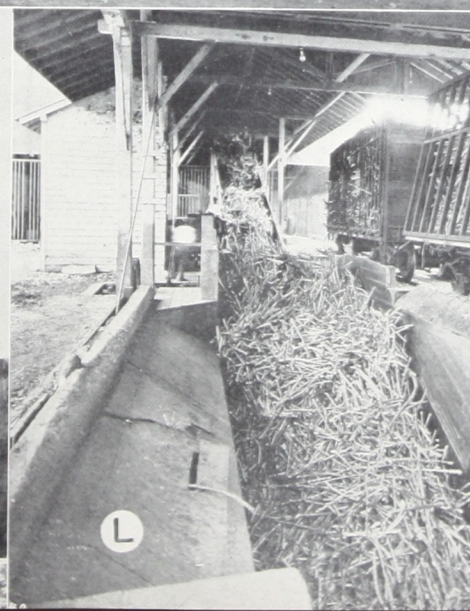
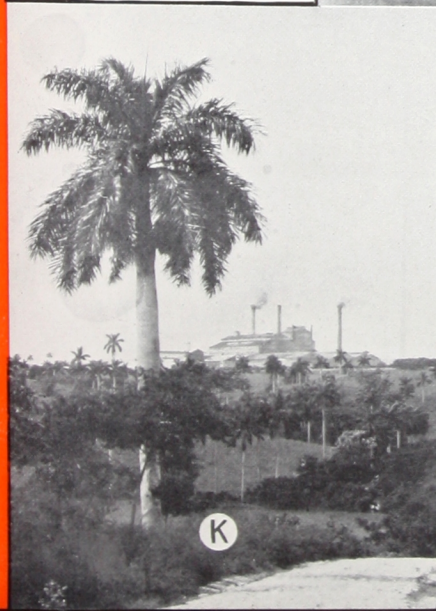
G

IBS
PROTECT
COATING



TYPICAL APPLICATIONS OF I. B. S. SOLUTIONS

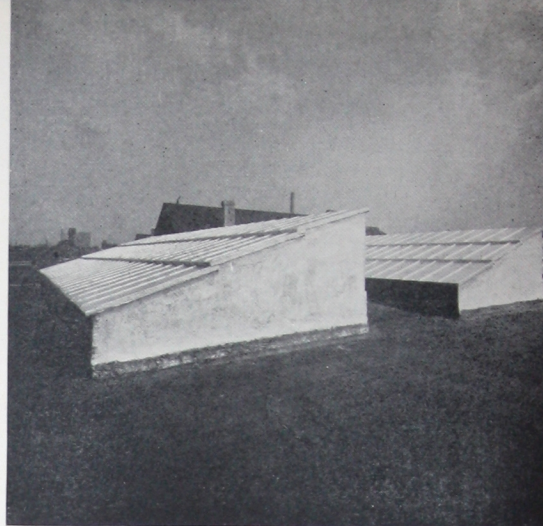
- (H) The perfect coatings for ice and cold storage plants may be applied over cork coverings and the pitch binders used in the covering will not bleed through.
 - (I) The perfect protection for ice cans and deck tops or floors; will keep moisture out of wood covers and prevent rot.
 - (J) For steel sash, for flashings, for equipment in all types of industrial plants I.B.S. coatings and plastics have set a new standard for protection and decoration.
 - (K, L, M) The Sugar Industry find I.B.S. products indispensable for protection against the action of cane juices on concrete, steel or wood and use I.B.S. extensively for the protection of centrals, cane cars, as well as on equipment in general.
- (Note) Space does not permit us to enumerate here the many uses I. B. S. products have and can be put to in the protection and decoration of industrial plants and equipment. You will note, however, because of their unusual characteristics, that these products meet in every way the most exacting specifications for real protection where conditions are the most severe.





I. B. S. Plastic, comes in plastic form and is used extensively for sealing exterior of boiler walls to prevent air infiltration for sealing or caulking around steel sash, flashing around sky lights, for tank repairs. It is not only weather and water proof, but also insures a permanent job as it will remain flexible, will not check or crack from vibration and will also resist the action of alkali, acid and other corrosive agencies.

1 gallon will cover 150 sq. ft. on the average job.



Roof and Sky-lights — Crane Co., Chicago



I. B. S. ROOF KOTE protects, bonds, seals, insulates. Do not confuse this product with the ordinary brand of roofing compounds for ***I. B. S. ROOF KOTE*** is in a class by itself.

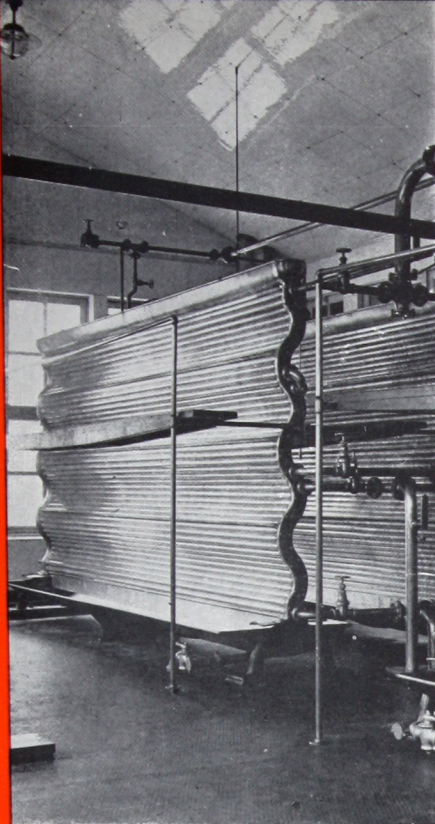
I. B. S. ROOF KOTE impregnates, bonds and seals, and combined with our Aluminum Kote has excellent insulating qualities.

I. B. S. ROOF KOTE is NON-OXIDIZING and as a result is very flexible and will not crack or peel. You will find that this product is not porous, and, as a result, when using ***I. B. S. ROOF KOTE*** you will always get a good tight and permanent job.

I. B. S. ROOF KOTE is used over metal, paper, slag, and over many other kinds of surfaces and 1 gallon will cover 150 sq. ft. on the average job.

Warner Bros. Theatre at Philadelphia - Roof and Cooling System





- IBS -

ODORLESS

***I. B. S. ODORLESS* IS MADE TO PROTECT AND DECORATE IN THOSE PLACES WHERE ODORS WOULD BE OBJECTIONABLE DURING DRYING OUT PERIOD.**

I. B. S. ODORLESS has all the characteristics of the I. B. S. Black and I. B. S. Aluminum coating both in protective and decorative qualities; it impregnates and seals the pores and can be applied to damp or dry surfaces.

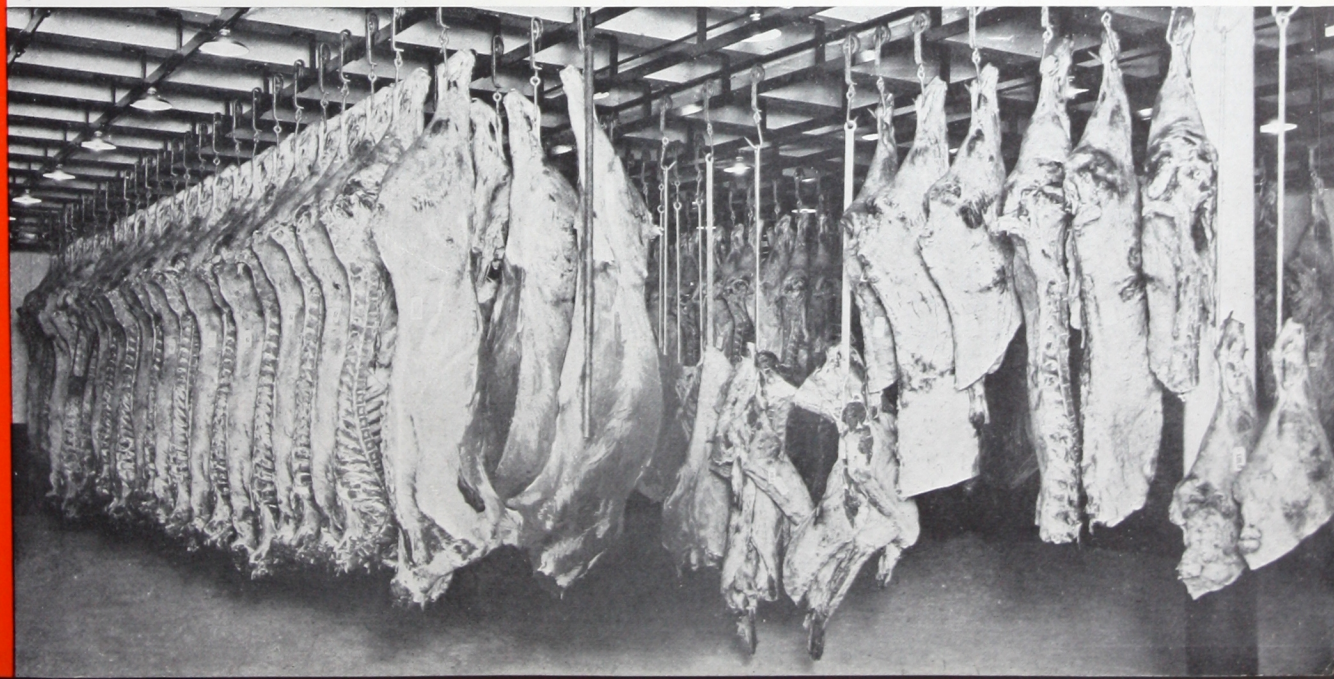
This product is particularly adapted for use in meat packing plants, in dairies, in green houses, in cold storage plants, in fresh water tanks, in refrigerator cars and for ships carrying fruit.

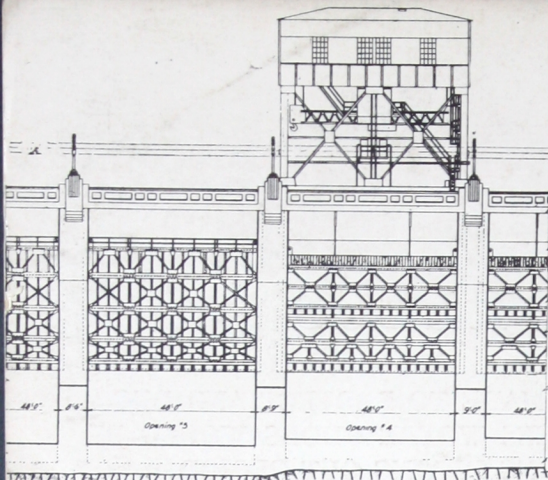
I. B. S. ODORLESS will not OXIDIZE, will not crack or peel and will withstand extreme temperature changes.

1 gallon of *I. B. S. ODORLESS* coating will cover approximately 400 sq. ft. on an average surface.



TYPICAL APPLICATION





DOWNSTREAM ELEVATION OF SPILLWAY OPENINGS 4 & 5
Opening '3' is typical for flood gates. Opening '4' is typical for regulating gates.



ENGINEERING AND CONTRACT DIVISION

SPECIFICATIONS AND APPLICATION FOR
WATER PROOFING — DAM PROOFING AND
FOR THE PROTECTION OF BUILDINGS—SILOS
—RAILROAD TUNNELS—PENSTOCKS—LOCK
GATES — COAL BUNKERS — SHIP HOLDS, etc.

Let us advise you in any problem that may arise in rust-proofing, water-proofing or damp-proofing. Many of the most modern ships afloat today have holds, water tanks, chain lockers and other metal work protected with I. B. S. Enamel.

Our products meet Government specifications.

We will furnish enamel and primers or will give you a contract price for the enamel applied.

Leading railroads, shipyards and utilities companies, use this product and also use our contracting service for application.

I. B. S. BITUMINOUS ENAMEL is the most efficient protective coating known where corrosive conditions are most destructive and where you need a good water or damp proofing job. We also have special brands for drinking water tanks or filtration beds which are equally efficient when applied to metal, concrete or wood. They will not OXIDIZE and always remains flexible, and will not crack or peel.

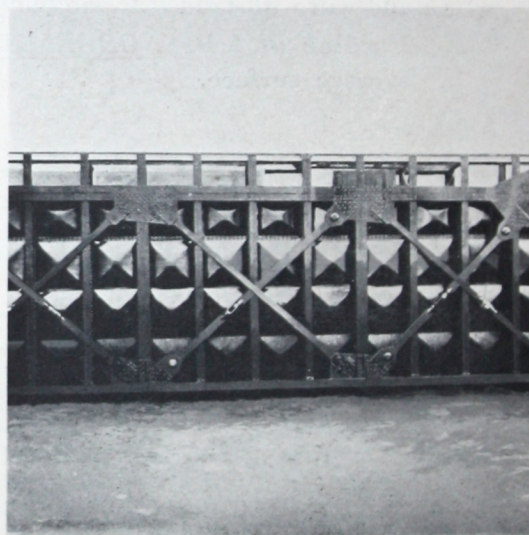
KELLOGG HOT SPRAY APPLICATION

Let us discuss our special process for the application of Bituminous enamels by the hot spray method. Especially efficient in the avoidance of pin-holes and holidays — provides a smooth, glossy and tight protective coating, bonding with great adhesion to surfaces upon which it is applied.

Most economical where large areas are to be covered, reduces labor and handling cost and avoids waste.

With our spray system we reach the bottom of all cracks, holes or pores, insuring a good permanent job. *Note pictures A, B, C, D, E, F and G on center spread.

The average job $\frac{1}{8}$ to $\frac{3}{16}$ inch in thickness requires only 1 pound of enamel for every 2 sq. ft. to be covered and protected.



We will be glad to give you a price for a fully applied job with our guarantee. No matter where located. Why not write us today with reference to your problem?

The M. W. KELLOGG Co.

New York Office:
225 BROADWAY

General Office and Works:
JERSEY CITY, N. J.